

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



553868

(43) International Publication Date  
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number  
**WO 2004/094521 A1**

- (51) International Patent Classification<sup>7</sup>: **C08K 7/06**, 5-1, Okawacho, Kawasaki-ku, Kawasaki-shi, Kanagawa 7/24, C08L 69/00, 25/06 210-0858 (JP).
- (21) International Application Number: PCT/JP2004/005898 (74) Agent: **OHIE, Kunihisa**; OHIE PATENT OFFICE, Selva-Ningyocho 6F, 14-6, Nihonbashi-Ningyocho 2-chome, Chuo-ku, Tokyo 103-0013 (JP).
- (22) International Filing Date: 23 April 2004 (23.04.2004) (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2003-120617 24 April 2003 (24.04.2003) JP  
60/467,155 2 May 2003 (02.05.2003) US
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- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: CARBON FIBER-CONTAINING RESIN DISPERSION SOLUTION AND RESIN COMPOSITE MATERIAL

(57) Abstract: A vapor-grown-carbon-fiber-containing dispersion containing vapor grown carbon fiber having a fiber diameter of 0.001 to 5  $\mu\text{m}$  and an aspect ratio of 5 to 15,000, a resin soluble in an organic solvent, and an organic solvent having an ET value of 45 or less, which value is a solvent parameter calculated from the absorption spectrum of pyridinium-N-phenol betaine, wherein (1) lumps of the carbon fiber are partially disintegrated to thereby allow individual filaments of the carbon fiber to be present as dispersed or (2) the carbon fiber is present such that carbon fiber lumps having a diameter of 40  $\mu\text{m}$  or less and separated individual carbon fiber filaments are intermingled; a production method of the dispersion; vapor-grown-carbon-fiber-containing resin composite material obtained by the method; and electroconductive material and thermal conductive material using the resin composite material. The present invention enables to prepare a resin solution wherein vapor grown carbon fiber is uniformly dispersed and to easily obtain electroconductive material and thermal conductive material from the dispersed solution.

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